

Title (en)

Stent and stent-graft for treating branched vessels

Title (de)

Stent und Stent-Transplantat zur Behandlung von verzweigten Blutgefäßen

Title (fr)

Stent et stent-greffe pour le traitement des vaisseaux ramifiés

Publication

**EP 1477134 A2 20041117 (EN)**

Application

**EP 04016944 A 19980501**

Priority

- EP 98303442 A 19980501
- US 4774997 P 19970527

Abstract (en)

An implantable medical device (10, 210, 410) for placement in a primary blood vessel having a vessel side branch is disclosed comprising a tubular structure defining an outer surface, a first portion (30, 230, 430) of the outer surface being sized to contact and support the blood vessel on one side of the side branch, and a second portion (34, 234, 434) of the outer surface being sized to contact and support the blood vessel on the other side of the side branch, the tubular structure defining an aperture for alignment with the side branch so as to permit blood flow between the blood vessel and the side branch. The first and second portions are separated across a gap and further include at least one bridging member filament (38, 438) traversing the gap and connecting the first and second portions so as to prevent relative axial separation of the two portions after implantation, the aperture being defined between the bridging member filament and the first and second portions.

IPC 1-7

**A61F 2/06**

IPC 8 full level

**A61F 2/06** (2006.01); **A61F 2/07** (2013.01); **A61F 2/856** (2013.01); **A61F 2/89** (2013.01); **A61F 2/90** (2006.01)

CPC (source: EP)

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Citation (applicant)

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